





Introducing the COUGAR... New Navy Jet Fighter

The FFF-6 COUGAR is a sleek, swept wing successor to the battle-proved Grumman PANTHER, the first jet used in combat by our Navy. Much faster than the "over 600 mph" PANTHER, the COUGAR has the same low landing and take-off speed. This difficult performance combination is ideal for carrier and front line operations by Navy and Marine Corps pilots.

GRUMMAN AIRCRAFT ENGINEERING CORPORATION, BETHPAI Contractors to the Armed Forces





. . . as applied to jet engines!

goes ren dans then models of Seculation I Sergal TS, Contrast Speak Deven Stock the man ergon homes that of alreat, the dever satell in more conjunct of hybror was leggere of a such plemanarity a sprease of spream leasures and monetain memorane or simplified as the silvaniarity in bidual to or introved from the consense speak renging lighter efficiency in automation, or on ter-currently high show the persona name, down by yourse reasoned from the rep





B.F. Goodrich







How rubber got the bugs out of a "greenhouse"

ATTIVISMS of 8 seless or more used. A suspicification first piezer "generales" to present generales as a selection of the control of the cont

pood position as a femble subset is believed, for excluder and lisbers are believed, for excluding the contraction of the contraction of the conder of the contractions with primary contraction of the contra where, metalling the three Jon Mores. Month American Baher, 100, Mo Direct. Month American Baher, 100, Mo Direct. Bracher, homes list, Monthep here pund, homes, halfe 'That new Jones which the pund of the list of the some of the more more from EFO, bender to rechoic research and sugmenting offers in F. Constitute, produces for a reacons metalle man, wheels and hottom, construction man, which and hottom, Principled soborers, Primane Sealing, Zippen, trail cells if Principled soborers, Primane Sealing, Zippen, trail cells if Primany, Arms-Coll B. F. Gaschistic Combuny, Arms-

B.F. Goodrich

Auburn SPARK PLUG CONNECTORS

for aircraft













Aviation Week

Vetamo 56	March	24,	1952	Number
Headline N				nleedes
Superio Codo bas Pandas		HIX		e Veget Service
ATA Furbo Abbonic S.	de S	Con	Por Mill on C	in Less
CAS Bigott	- 6			eiprecet
Cartin Rought Faces Ben	Test	Hen	New Food S	and ben'er Works
New Ipday moon in AV Is	reprierran P		Alr	Transport
See Francis		Free	ias Phones Bir	Overs Louds
Francis		SAS	Sep Course	of Crack Londing

Accessorical Engineering Decision News Food Association Board News Toro Steam Computer	12	Editoriate How Surpey May View O.M. Can Hamber & Ewel Annua
		treests
New there Aries Calendar Protest Pape The's There Industry Observer Aries Arie	-	Tabington Broader Drive A Gree Production Broader Contrary Latter

Erley)	II. Wood
Note H. Midal	
Against Vasging Diller	
	Henry Lelev

G. I. Cargana M. Seviene statement South H. Heitgart. General Antonio Devid A. Anthrica Sampusch Sam. Vascuti Giardi.
F. Lee Nietz.
Sampusch Sevien.
Sampusch Sevien. Series of Sambusch Sambusch Antonio Harten Sambusch Antonio Harten Sambusch Antonio Harten Sambusch Antonio Harten Sambusch Antonio Children Sambusch Sa

Consequentions in more than 60 more effect.

James Vice Service Leaders, Press, Frenkins, Taken, Bundery, Melitanten, Ren del
James, Mario City. Conventation in more than 50 major coin

Aria lea Work is revered by Peters Association, Dr., a subsetting of Associated Press.

E. V. Marin, Jr., delevanced data Phintery, I. G. Johnson, Statistics, Manager, Mar. Essano, Rassando and Berkening than Engineerine et al. (Indiana), Paris Unit. Lineau, Rassando and Berkening than Engineerine et al. (Indiana), Paris Unit. Lineau, Paris Unit. Lineau, C. C. Marine, Marine, I. C. Marine, Marine, J. P. Lagland, Paris Indiana, I. P. Lagland, Paris Indiana, Collect administration, Collect, Landon. Boot 18, 181 Administration. Matterials WEEL. Matterials WEEL.

Annual Print. Management of the Control of the Cont

BARBER COLMAN

YEARS

FAFNIR

On Leakend Consolitation, Despite DC-6s, Moraly 2012 and 46s, Consolitation 28th and more commercial and military annuals, Header Collane Accusions restorated expresses. For ever 7 years Politic Bull Bearings have been encoded expresses for these accusions of the commercial and produced and the commercial and produced as a way of the content of the commercial and produced as a way of the content of the commercial and produced as a way of the content of the content of the commercial and produced as a way of the content of the commercial and produced as a way of the content of the commercial and produced and the commercial and the commerci

Bulsic Erara-Small Bearing, one of the Fafor Bull Beerings reguladly specified for Bartier-Colman Astronom. Astronom. These proposeds became not available.

with various combinations of sh Record red rech types

Manager of bases to tree site



On the state of th and production techniques and in scientific laboratory control. This massive complicated leading over component, weighing over 400 nounds, is typical of Wyman Gerden's fereing contribution to the ever-growing progress in eigereft design. In creakshafts for the automotive industry and in all types of aircraft forgings, steel and light allow, Wursen-Goudon has pignogred in the development of foreign "Inowhere"—there is no substitute for Wyman-Gordon experience.

Standard of the Industry for More Than Sixty Years

WYMAN-GORDOI

NEWS DIGEST

Lose fee growth act corners, after

INTERNATIONAL

Consumer William I Language and advantage

Denald A. Dolf his resigned as an

maker ran reported trained remove Continued Chartes fittil reals at

Agends, engine and peop backleys totaled \$12,128 million as of Dec. 17. Description of the last property of and led courts by Arm. Field

Signeral of 196 personal and overs too phone (1.00 allient) was made in

Secret D. Wiles, 15, property of da Wite Transport Lander Pres. Halire Helicopters has been granted Production Confidence 607 by CAA

United for Laser first costs at Cirk-

Consult your 1952 LAS Engineering Catalog"

AL ARROPMET BOTOBURY - LINEATOR - BOTORN A TRIMITED EXECUTION SECTION CAL ACTUATIONS Also ANNIA com: \$55247.

Bradic Assetson Corp. had roles of Reachly Acutes Corp. Learner Append Arabed Corp., I arring



Cammany. ACCISSORES CORPORATION

AVIATION WHILE Mends 24 1982



GUNS the double!

Charac Associate Temporaries with each others. capable of delivering heavy equipment to forward combat mean by landing in



nancentred fields Europe Southern Res' demonstrated this he namery mann of deloance the costs on stain techniques desalgoed for interim use. No time penalty, no weight penalty, no loss from chute molfanction or assent domains. Transports - retart, clean and ready for immediate service.

PST TRENTON, NEW JERSEY

AVIATION CALENDAR

Mrs. Ma-Technol Section Council of Married, N. J.

Age be Conference on subtry mobiless of

Solary Conventions of General New York Age \$18-Supers of the Plance Industry

and Autority Engineering Dopley, Society of Automotive Finguisees, Hotel Statio, New York to Take the Assessment Ass. 35-Interestant Air Transport Asse.

Age 19 Nor 2-American Impacts of King norting. Askington Hold, Binghamien, N Y, mestion papers Apr. 50 May Harbitemphoral Say Temporal Acts

Professional Giorgi de Airborne Eller 19000: Derbus Biltoniu Hatel, Device

May Hadranghood by Toront Arm May 11 historyhood At Transport Asset S. (Picer) Piper Alberta, (Special Aprenous) McGraw-Mill.

ANNATORIC WORK Mount for 1887.



abob bean & fight not careers Mer. 2 If a designed to self for two than \$25,000

The Week's Pieture News ----



NEW BLACKSURN PROLIFFICE-Mone ognic of latest AV, 2 semina of Blackban's Electrical Excellenletest NN, 2 ventor of Blockburn's Universal Everybers, which features a seriord one feature. Manufor of Sounds



Scowney thebat in EAF Count Command weaking





"Flight 236...flight 236...clear for take-off"



passengers relax comfattably and

has been replaced with the absolute deprecialship of pres-In addition to standard models, many special reaches as how

CREER HYDRAULICS INC. . 450 FIGHTSENTH STREET . BROOKLYN IS NEW YORK

WHO'S WHERE but to Maken by how would not point for Hopkins has been masted tran-

In the Front Office

Champre

and the commerces department of the House? D. Clocks has been approximated to Chefts R. States, found's parties to halon frame.

pun's see Desset datast office and Will has been placed in thesp of the Lin Yagolo.

Corne D Week L. N. Estadi has been associated produc became and C. D. (Ten) Suggest for hor-operated at manage. Proper disalo-R V Carleton has been desprained your

INDUSTRY ORSERVER

P.Africa's Copper Technique has now board the bear date now P.Allore's Convey Textoduce has new legged 533 been right from The obose more of Februaris AFR, Mance, Cold., or endogroup souther The plane, now at Edwards APR, Mance, Cold., is innergoing narrow this, shock of the man Allinon Wil R2 technology engines. The excesses year mack of the two Allines SOI RI terboprop capters. The express

development. Following origins shock the Tretomer was some two khoods constructed from Letter (II) economictal report operand

Property property of New Lease the expension of reality powers. next or the score capable of barries on ander ret own power, provides concrewings. An extension that he were in enterprise to 5 ft. In diameter. The \$21 performance specifications rall for had connects for 45 rates. fight and a service reffice of 45 300 ft. Speed of the EVI is referred but regards and a service ording at the 200 st. Specia of the ties to assesse the regards are that a 68th participar now on degrang bounds contributes a Moved Donnalt in Earlie testing its MD 450 bill, which differs from

standard MD 45h in house per engine randor disciple contest natural of us the name. The modified MID 450 is not necesswares: probably the banarat MID 450 all weather fighter a buch will have a racket were.

with the second statement of the and application control approximately 80 ft tectone in meetige length is required to accommu-date outry facil tasks and electronic sens to enable it to meet USAF of secost to excell how had to control with any latest childs. Marine Come in Kores in croplemes Schools HRS Indicators on

over the hattletines. If on every series is lighted in the highesters It Air Face officials on orems a plant Correla 240 No. NAST quark

noting your at Les Aspolis August. The plant, formely for me in alread the year upo to Howard Hegher at a month's count of \$1,000. Each Air Fence and Consur have an aumediate seed for an escoutive Fire Assertion Asserts has become the first U. h. sales, to her hours

Soab Aircraft Co., Swedon, is putting the finishing touches on a new

to come, made and with power supplied by four DH Gobbs trabopts

AVERTON WHEN, March 24, 1982

Washington Roundum

Stretching the Stretchout Congres appears warmed to make a becomes on to finade for the six power pengrum but to col-

No. Sen. Blaz Mondy proposes a sound about swifted that's here accounted by UKAF Undergrouper Baser? content \$5.5 believe at Air Francis 1955 reads and 5760 Makes absence duc't seem. They look on the next hillen over then the CI I helpen can't down come

mores for the cursor \$86.1 hillion-\$11.1 hillion curb and \$1.5 billion contrast authority manus for the facel 7254 year by whotever of monetration is at source of \$3.5 billion of USAF's eliterate in 1977 is at poorly. If \$3.5 littles of USAF's allocated as PFFI is contact mithous, sented at cash, this across t will

It soll add on to a quality 1954 conven-'Ativad' Production

At the McDornell About about in \$4 from 11544 Nav's AND and DEAP's Box to the Change store of

Vincen's New Street

Ho recovery often a session with New men, on the The flesh deck flatters, "and over the U. S. a second in the event of a war with Boson, the beauty would received and would by to knock them out. The big new curious will give an arounds been that are comp-reselvent find.

Finletter Tightons the Reins in Secretary Thomas of Sphilit control over An Posts pene-in Secretary Thomas K Fachette. He has Chief of Stoff Con. Host Vanderberg, Resumed # the "Office of Public Subscention",
 Reduced its staugeth from SC offices and 34 regions to. Assessment his helpf that "On our first receiving to should

Brickhots' and 'Cuecuss' The hell is reflect but shade on a system of processor

. "Mandata" is the made some for the top extenses. But * **BERRIEF* IS the circle raine for the tap entrapery. Excel-servery line form expects in this entrapery. These twolve Corcus to the other points estepair. It metales some 250 materia projects. Chart has projects use, their overs, at one fig. Courses" lest Acuse has agreed than exerter Galcotte, was deceded by own florers for

the top entremy. If everything is urgent, withing in Charles Wilson and Agrand Production Board Chryster. "Kutherine Inharm

AVIATION WEIK MAND IN 1955

AVIATION WEEK WALLEY SO, 1953 New Reports Underline Production Crisis

. Jet engine forecast indicates too limit of 7.500 let planes a near. Eightter rearms of durin on AF "Mario Ha committee is regime to

"The electric has been estale um.

Congressional committee scores "Back of arregner" on

the part of defense mobilization officials But Defense Secretary Loyett says nation is stronger

and that builden apparent is apparentiag The absoluted of pulling seconds in Lank of Dissecution courses de-

simple and other delegat the manual metre's deferes mobilisation officials ration clauses senses to be That's a 5 confidented among that exercises? where mobilizating program is one which is direct ever reduce has adopted the woods of defence to the adapted the needs of defense to the Observe feether with technical

statistics calculate from that firms that production of jet around in the some prise careet be more than 50,000, and perhaps in law in 20,000. This wanted be an accessor of no many then 7 500 lot oleans a reco *The Poper Prints-No some are *A recommend from An Secretary Finisher that the dark on USAF or named. But the committee's source the Air Reserve while he makes he cate other vivience seem Chales Wilton and USAF Chief of The entire in defence production was

'anothy' toward the debiase builden-"lack the sense of argency that has provinged model American into they trymendous prepaindoes achieve-Choicean bloom and that concer-

one the crothon economy, they full to . The william Brothston their and of building an a strong pleferor, wellgiving the highest angests to savergine, of year the award services are closedmodel the material of Addition made to the proportions (122 congruence to) proof. Fest of these inconfigurations is on USAF number of management and the are on storast upon which we will recover There are menusched in the

solven men the billarman wire that Charles on Order Lines have be asset

have also blood from to be such who the top-fitthe country-the engineering of defence mobilities to fell the law at synthetic ple with the best men 'It is significant that there different roce love beld the top government

ment to simple monocomment since the

William the Unsted States, the page

on a delete builder a referred in Hot-Rod lets money product that a love edition!

a about for times the sate at the home The schodules for \$157 and the and doubles the 1981 are out to

byery rate with nationalism that he codered to 1862 out he decoded to B Defense Manage-Phone the had been

makkens of a summed described

in the other has necessary saves ed

A desira enstrues looks · And he sees betonevered executive tensorers terrors of solitary and transport

physicist for propert ULAF states period component for coall affects

MCarl 197 White Park Court or court and dead to a deal of these

Subsidy Separation Need for two current concepts about the end Commenter will seem become on

WILLOW BUYES FIRST PACKET.

given and announced that the plane work! Know France out models, see being planed point and associated that the parist would be the probation of C.133 socials and for the probation of C.133 socials sign World Wor II when Fard was pather and Chare Annual respects that the first

ATA Puches Study Fare Fight Of Airhanna Radon · Trunks ask higher rate

record re-obdyrecal at a volume to volume has made as official or modifical acts

with the particular respectful of whitrafficult count to run have on a fifth order one come full costs are • 53 many may taket and elementation of met aboy totalines courses and Appetitus Addition was such to have * Effective transfer of manufacture discount view which had advaced to the secretary relative fire receiver. The scadulated these than his on supposed across of

Secret Wesner

Assences any change the considered the The report states that recognization than extend the catholic for con-

But CAR case nature in

Desirate the Cord Assessment Procedure

neetty fair near

176. The federal assertment took in

UAC Reports reportedly new paragraphs to follow the reader Dec. 51, 1961 a whited now on

What may come upon or one poster-

• He Facura Congressia feet, Board

chaded with the determination that re-

Backlin down 2011 via from 5715 reground from 29.594 to 13.147. ed descripted in the CAR stoff opposing a whose 8,483 are worses

Curtiss-Wright Faces a Busy Year Teeler-Greepward caping completed 190 by those test at 1,500 ha Commony amorage ready to open large-scale production erack on \$1,025 million bodden of order

Dr. William Konton the macroline was attenues was \$1.76 More madeses that the second in-\$13,678,564. But truck at 1992 was finded and delaward.
\$6,190,000. proper \$3,090,000 to *First \$65 set carries was produced and 1551, guilling not income for 1551 down that on tool no \$4.006.7 ft commoned no \$7.776.564 - 2710 of Pelestry that year was 5002,400; 000 Including latters of inter+ C.W.+ amount modified orders total \$1,015

Working up to a reopy result on fast backing. C-W during the year 1997), restable offset in property by Warm Rates Caldard and Cardald Highlights of CW agents N mod Badge... Caldwell must Carbaid.

N J., 200-800 up ft for a new elter. CHI CALL

Dry 11 1951 was \$177.057.001 and



SAMBLE GET ALL/WEATHER EQUIPMENT tunkers the conductor consistent of consumer. After accurated a market Typicking the production completels of compresses. After equipment a matched, Les Assets Introduced Asset there a detailed for acces to very pleaking. The P Teyter Tester Reckergood-Through rush to peach work cutoffs over during

130 kr toge ma at 1,400 kg per-production stage. Extranous will be processing point in Barbido.

NVA Wine · Board unbalds accord of

believates certificate . Now N. Y. Airways con starts-when it gets croft.

New York Agency seems to hour forther first sound in its long con-Coursesting Without a year if homes to fire presents severgen name Now NYA is study to start setting on an order from contributories are top at some tion schills-daying per tell of the concerne sencocrift att engerh enders nev er for

Property in Sinks-See Now York Assessed to important point form with man cores in the last much scale operation going as Non York her expending of righten is well to

The first year of course countries.

our the decision fact to NVA store

to MAC and back assis. On Dec. 1 contribute was contingent on the com-Metabolitas first filed a matter person for reconsideration, then a const up with a completely new year and Behavior Archery from covery

line in New York and New January not that as such republic capter some

more the fide persons in force of On Jun. 3 New York Airmore handed CAR med and blook to since and

Sexua Je compone addatu a Madeon Ave. New York 17. Non Indistments in AF Irregularities

district court have May 19. Defend . Robert G. Hallifeld, Sr., Sonner was • Wiffurs I Open, Clames when The exhibitment metade from country Overt nets sharped in the underweet

tucts for you glesses and sky goggles

necessariled number of Descrip-AVAITOR WITH Many 16 1912

resident personal, and once where of the second court school is make Offine Nov ride competer have a fee while to the success or Pract is tell hours at the horsest on a fe - Charles for others approach

New Intercept . NAA building system for

-v-s USAF. Navy planes · First time one community does whole job Anature and commental to the Heater

Aircraft 1954 introped system for Sens This makes NAA a varies controder North Assessme providelle en ed

a II is pridence of enough order scener. consider take with root recovery S. Windowskies Tobart Little or beauty tree although it is used to make wide less, although at it said to make wide not of instructio applifices in place of vaccours today. This findam world

releasest with its own francis and

teen eggs in meether booket. Hoghes



NOW YOU SEE IT-NOW YOU DON'T introduce on al field photos shore shown - Donnach Proceeding abstitutes used for

place with its willing. \$1.97 sendors regime to about \$2,000 ft. Top speed with power extended and remains lived. Our with on, is \$0 may as \$100 ft. See her debter good density projects of another they are attracted and complete fored over used to 120 fee, or at made from a tel re-

FINANCIAL

Martin Illustrates Aviation Risks With a backlor of over \$400 million -\$350 million of

For the year ended Dec. 31, 1953, a the larger or we company, when the

excel regard dept say transe our with them a definite modif sources mushle in the assessed in detailing the

Reference is made to the 1950 on It is clear that weath of thes

tate or observate surreners skilled rearriesturing facility in house However, events largely become the control of the compone took hold and resulted in sharply increased rests which "differed with province parents

Late highler, accompany is they order, and public, submitteds which A feetings which to the between

& Book Courts Louisian exception

At Dec. 31, 1951, not worth was reduced to \$564,332 or less than 50 costs a short. They is the 2355 year-end not worth at

which it part upply occused head on

The Martin bucklog non typick surv

rant contests are patently less. Menagement of Brookst ston and on

eg is now in stone for the Marker com-

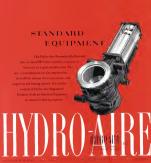
ROWSELL AND STREET, SAN AND STREET 1013 (Nates woulde amposted as

double the evictor commen rock range As an effect to the debenfunc more shall address will be afford either to

Whereper Hon Flor Hamilton Stredard's long experience or the leader in people's design and







AERONAUTICAL ENGINEERING



Bristol Britannia Nears Final Assembly

· Huge transport slated

to fix this amount Full-scale mockum meeds engineering tests.

By Dorid A. Audotton The Brend Betraco, long-range turbeness transport new in production

reached the stage of prototype final as New pictures of the croft in the greater secondly half at Beatte's Piles stocked to the farciers. Although this And it's going to have to be upid to meet the scheduled feet fight date

Petitating, is be proved with States and States of Section 1 (1997) and Section 1 (1997) and



HOT AMAZINE - Cannot works



CLIMBING MODICIP, shirld consent to recoden customed photological in these week Appeals and South Africa, student in their extension Assurem Wash No. 3. the suppley, and it is the * A fell-scale markons, for facet-cond-

communication of a court of conditional | * Francisco | Markon Francis | del-



TAKE THE HEAT OFF HIGH SPEED PRODUCTION

temperature levels are kept at a constant degree 'Here's be everted. Obvioler Agricing products are factory stam-costori. Med courses today for full details on proper temperatures in your operations

LIQUID COGLANT COCKER? Handlet all types of coolers from near spherors to *COMPLETE PIVE-TEAR WASHANITY

Annual Maries, Province Emporates or and as advantage density for display from



Ever see a helicopter grit its teeth?

Notice to be advanced to advances of 31,0000 of an institute of the advance Corporative orbid on Lessonage, shall, expension and extraorer facilities. Such expension and facilities are supplied to the state of Such super process on work typifes simply, our of Lessonage's services to America's leading subservice and not appear process. Long frames, for pulsery frame, Long frames, for pulsery frame, Long frames, for the contract of the contract of the and not appear process. Long frames for the contract of the and not appear process. Long frames for the contract of co

If heavy your problem—heavyer complex your

AR CORD DISTRICT OF ARCOND ART INCODES CHES. PROCESSA AND

Lycoming (AVCQ)

aradalan aradastlan.

bet den Bestert hat best de fant in trend meelug fie en eant assent. It developing the mackey, Bereit and pract which were the deat me best production. In other, a meeting meeting meeting coupsel, a general, problety continuous participation of meeting coupsel, and a problety of the problet, and a problety of the problet, and the problety and the problet, and the prosert of the problet, the problety where it is to be the detail, togettion of parts my a set or eight, and mel-

26, for example, the Breini people were to follow American particle for their particle days be changed and correlate particle follows be changed and correlate particles and the changed and the changed particles and the change with a change particle and the following such a change and the following the followi

Fastener Problem of the Month



designers are looking for weight savings. En, here it ESMs, it was dok that aut: which named weight without sacredomy prompts would be an proported sendrabuten—publing a further advantage to the namedio time savings of road to the average industry by the surgical vibration proof gang absence out arise



movine they Side, the interprite the leading order analysis is retained on the best depending systems and system conversion, a consistent sufficient that makes mellitons but has been against conversion, a consistent sufficient that the sufficient sufficient sufficient to the sufficient sufficient

WE FANTENING PROBLEM probably has a standard MA animage. If not, ERNA regiments may suggest and fundament.

From MID-RES. Shorks Stop Mat Conposition of America.

Figure 111-128: Earlie Step Self Conjected on Alamonia
3289 Versiched Steek, 16-16.

| Bittle Steek Steek Steek, 16-16.
| Bittle Steek Steek Steek Steek Self-Steek Steek Self-Steek Steek Steek

training the first system between banks



USED BY MADING AN UNION THESE INDICATORS HAVE PROVEN THESE

THIRMOCOUPLE TYPE

on hilly cold-and compensated, may actually wholed and are restable for use with irro-contasted, coppercontasted or denousl-diseased theseconded in all standard ranges for the thremcoughs material used A few rypoint values are level below.





Accurate nationaries, these LEWIS indicators are measurably free of values error, have nearly linear scales (not crowded at the ends) and are magnetically shadded. A few eygund reages are grown below. Not shown in Marini 481, 214° with

MORE 479, 19° res; to ARE 1988.

"By to 18° C AN 1970 or AN 2970'S

"By to 18° C AN 1970 or AN 2970'S

"By to 18° C AN 1970 or AN 2970'S

ANDRO 77 And 19° res; to AND 1982

"District Street of AN 2970'S

10° to 18° C AN 1974 or AN 3970'S

10° to 18° C AN 1974 or AN 3970'S

110° to 18° C C Cylinder Tamp.

110° to 18° C C Cylinder Tamp.

THE LEWIS ENGINEERING CO.

of economic of manage, were meetable or cook fewerf. Heavines the anguate ter not weather, the curebe may write the country and the precision of the curebe may write the country for the country and the precision of the property of the country of the manage of the management of th

The motions on he think in startice which could be eithered in mations flight. The first opinion being the could be the contract to the contract of the could be contract. There were no possible to be fell on early. There were no plants for do evines, the first opinion is a star of the could be contracted by the could be compared to the first opinion. The first were again or possible to the could be compared to the could be present on the first were again or possible to the possible to the could be compared to the could be present to the could be compared to the could be compared to the could be compared to the could be consistent to the could be compared to the could be also as the could be compared to good the could be compared to the could be compared to good the could be compared to the could be compared to good the could be compared to the could be compared to the could be compared to good the could be compared to the could be

and light nets which will show outly wren't important would in the cutty wren't behavior. The Removth Prosane Behavior. The Removthe system were also under our to meeting, a subtit whe is easily large of the system were also and one or inmand organization of the outly supney. Noted believed the same spinard countries, of the outly supting the light of the system of the property of the system of the sysphic which light of the system of the way to be a simple of the system of the way to be a simple of the sysphic way to be a simple of the way to be a simple of the sysphic way could be a simple of the sysphic way to be a simple of the systhesis of the systhesis of the sysship of the sysship of the systhesis of the sysship o

gittening is on the spilor and of the spilor and of the spilor and the spilor and

By sureas of "raprovine de tail" in his been resulted to quartitis of undament had then provided the support of the Poper Program-In subfillent length his slower store over lens on the Bustania. "Foresan The Bustania has "Secreta The Bustania has "Secreta the Poper of the Secretary of the extension of the Secretary of the (Actally, if one was the spelant of 15,000 fb, and the wash and of 15,000 fb, and the wash and of 15,000 fb. On the latest Air Force and Navy aircraft...



THERMOFLEX BLANKETS

JASE is the Are Recovered Navy demonstrated and memorarchites in their losses for the memorarchites in their losses for their losses and their losses with the non-recorded for Theorem Scale Numbers Their common market from points and advisious agencies the service for the entire their losses of the service for the se

mbann, cone, or admirature separate with legal recovering, and according to the control of the c







New Over-Heat Detector For Super Jets





THE RATE IS THE PROPERTY ASSESSED BARRIES, Toronto.



Green would all the simbre to AD ORD TO THE BOOK IN THE PARTY OF Severy are a string cases of 4,000 tention of \$ 600 states were displayed notice of 12,000 in The Beatonnes can clear a 50 ft ab-The Hannan cut com a new me torch wand. At a necessar abstract at Sealest leading performance retypical proming per the average math or French, for a 25,000 lb. netal.

THRUST & DRAG The saids bade asked from a "Ministre" - it a simble lift for leave on on automote and number on ter remain a primariant Y/2 type of myket 15 up loor and 2 in in dispeter. It's contend





stories William F. Car. shotos mentle of spore time. Mentleton is able

common material at the control of the color of a color of find a field suppose in particul. 1-17 pagest const. The R.M. executed to seek was need a tipe source, in seeking a rety. When o lots its toron, the war extrement two on adult rank could ear. And you should have sorie a corretor. The other B.H. which U.S.

server kin of (+) ander continued, furbactions condition - replants for Defense



less therestericities, remardle to of size as weight. We nest of the shall sensing unit of the Sale Plight pre-sied instrumentation Regardlers of lead, speed, acceleration, or Sep. pouries, this defeated place infestible are stell exercises of a processor determined merun. It orbites the Sole Hight created sheken dealer which perfectly cincinted natural buffetty as utilized to referre it readers, aged, high-spand already faculty for programme of the his programme shall be the resting of C 1/med When mad but man applications about discuss what shall include

TATE PLANT SYSTEMS AND INSTALLED ON THESE AMERICANT Bearings County had Special Services and A. Handrey Comm.

----Buick 18 25 Cenno bil modele Firms bil medele



IN THE STREET, ASSAULTED BY LABOUR STREET, SAME AND

THERMOSWITCH olds Temperature Control and Delegton Devices SPNSITIVE but only to head

PIONEERS IN STALL INSTRUMENTATION

Differential PRESSURE SWITCHES



A refuse a bestellar of presidence shall differented formatted in the state of the

Let us halp you had better, other arreads, Write balay for explorated created on your specific presenter which application problems. No cost or obligation.

MANNING, MAXWELL & MODER, INC.
250 Last Nam Street, Streetford, Casanutlast

Test Stand Checks Pneumatic Units

A new test stand for making from tested their an injuried power for an artist's and grande streets on a result and grande streets on a position as an attention and grande streets on a position and a the Gandon, Life Marian and I program finglescening and Sales. The seast stand, designated when the Salti, in a position make it is tabled to \$1.00. In part of the season of \$1.00 and \$1.

cheed and completely by sidiling (with the control of the control of the control of the worker 20 as a paper in provided. With down of the control of the control of the provided with control of the 20 as are opposed, with congress of the 20 as are consisted, with congress of the 20 as metrics for ensurering leakings have regard of 21 to 25° color feelings of metrics and 2 to 25° color feelings of metrics of the control of the control of provided and the control of the control of provided and the control of provided and the control of provided and the control of the control of

and their feeling with histories.

Training of the lest should saled uses
were documented from introduce closely or
to public soles of 2 600 to 2,200 pm,
to 500 pm.
It is possible to let supply persone
does bether the 500 pm, band, but the
bootest efficiency to become juportunation.

There and properly protestions to an
income of the control of the
properly protestions to an
income of the control of the
Band Congr. 2144 W. 1506. St.

Cardina, CAR.











Bristol Automatic Control

Leading about it mondet even not firstall Against Provincian Color real Engineers, on fighter places, boothers and of surports.

Produces of laves of years of processes surports.

Produces of laves of years of processes surports. Only have provinced the surport place of processes surports and processes surport surports of the processes of What are provided processes when the processes of which the processes of processes proces

is the development of anotyments and desense in emissioning, receiving an efficient of the second by seed extensive-tody controlling with the second of the

BRISTOL

FINE PRECISION INSTRUMENTS FOR OVER 60 YEARS

ANATION WEEK, Murch 24, 1957

smaller than a suitence



ALTERNATOR



Royal Navy Tests Steam Catapults

married to be therein off is attached

(The position Corner M.) was issuched by a somewhat samus device

competion of congrutated byforce

In that incodesion is not recount.

ting till nov. 127 påsted plests have

and printers mounts have been



--

OF DEMAND and send by

Meets power excely requireowwen the so 1000 Warm smale phone 115V on up to 5700 Walm three place 1157-200V larger 50 crols AC

set M.P. sonor samply serving





Aircraft Parts by Eaton

combine outstanding developments in design, metallurgy, and production engineering



the manufacture of parts which meet exacting niggraft standards of quality. You can utilize Enton's loss experience in this field by giving our engineers an opportunity to work with yours in the early stages of design.

EATON MANUFACTURING COMPANY

SAGINAW DIVISION: 9271 ERENCH BOAD + DETROIT IS MICHIGAN CONCENSION Seek on Control Property and Day Value & Tenness & Shakaralia Value Silvery Value Seek Street Land Street English Plate * Bater Purson * Hotor Truck Autor * Permenent Mold Geyvison Codings * Heater Defrader Units - Snop Blees Serination' Social Windows Cold Dynamics of Standards Land and Cold Serinatin Dynamics Drives Brokes, Dynamics

PNEUMATIC - pioneers and leaders in Aircraft Landing Gear



Large, modern plant equipped with finest laboratory and manufacturing facilities

Stanton with the manufacture of the first strippdought lending

Even more supportant than the physical facilities in the leadership.

THE CLEVELAND PHEUMATIC TOOL COMPANY CLEVELAND 5. OHIO Established, 1994

AVIONICS







IRE Talks Point To Weight Saving

New ideas on smaller electronic units, simplified maintenance described; tiny translators shown. By Philip Klass

New techniques and alone for solveour the neight and counterate of

* Middley mounts oury nown by cales at



on Guided Missiles ENGINEERS

TECHNICIANS Machineles APRIX NOW by the last tree

PORT RESERVAL CALEFORN

IT'S NEW! ACCESS LATCH

OFFICANCE by the month and the



THE PERMANENT

ECONONYI

LONG LIFE terms and departure on a MENG.

NEW TRENDS





CATEGORY on take my and not peak at your of 10 We departure on second

trong compared could man last use their new Flight System icomes and nes on world and completon of Extreme of temporature, distrate and To other symposium pepers, new

* Mosque cloud height in 1/12 the · Should provide solute the neight and eductore's publish with continuously

Coffee sho deadard three was links months sender ARN 18 recover on current and The ARN 29 has without



ECLIPSE-PIONEER





Platers Kove are simple, emphys, be sad has puts. having then out o'der. They are milled from everyles which is different owns disconfine which are accounts to . Addr. As of siles there have be seen pendad as one life marking without a superior seconds right combinations of gives are available at an rust resistant Directions of times due developme



Received Help Finture Kenn



design and notes were an easy techniques to

IAN-G-171 spec, the new readour case

for Appelor International Elevent Les Bernies AS, Call

ENGINEERS

...... LONG-DANGE MILITARY AIRGRAFT PROGRAM

MORTH AMERICAN AVIATION, INC. Lee Asseles, Colliereia Calamban, Ohio - dust-

theread accordingly for home description, Steam Engineers, Aircosts December and Destaure and association in all above of educately then carried may be second the services for Record Conjection College

and Tochnological Graduates Accessors of the consens of for fire chance for establishing

parience and ability. -Please inches summers of education and experience is really to:

Essissaries Personnel Office SECTION 3 NODYH AMEDICAN AVIATION, INC.





Low pressure faminates are NOT substitutes for the more companies become metasials. They are made of existered Elberates, sales and the other modern materials, are often superior on a strength-weight basis and agrees a suitana combination of properties . . observed abstrict thereof LIGHTER THAN ALLIMINIM ... STRONG AS STEEL

PENNEL ACTIFS are buise produced in Jerne numetities for all broaches of the aircraft industry . . . in flat sheets for backing based and corne liners in metabol die molding for electrical beaces and covers, fair leads and precision the state of the s

and dutte CORNER OF STREET, CARLES AND ADDRESS OF STREET of great structural strength, is being used for gun plugs for let fighters . . . and, as a core between REPCO Pasels

in condwith construction for evenhead racks, floors and If you want most abrough combined with hight weight, where were remined to accorde or complex, would be incombanabugat or angers, plan or relieved and most address to the channel of Information, you can roly no Success. Consuff on many and ask for correctes of \$6000 and \$1800.



filler sections

EDINFORCED PLASTICS CORP.

STATE PLANES STREET Canana City A. (Kineson) Accompanies HIRS PROOFS PRINTING OF

P Europeanst Raishilling-Column con ment does not require a significant or in compressed size, according to W D Mediumon of the Standard Re-

Street Street, or Street, Street, in

P.Hish Town Consequents A new

higher townerster communests de solved by F. E. Wanner to his name

to sponene the development of new

200C temperature and by source that

the -55C value was low expects, owner

selee and place a new component a

PHybTcup Compounds-A res testables procedure symble between -- 90°C and 160°C was counsiles of new

CHRYSLER AIR RAID SIRENS D. Y. Court of Bonus Airding Co. testing under actual in fight one counts *Heat Disapation-The weight of an coal 5 km of systems equipment can be refaced from 90 to 90 in if system communit can conside at 71C material



DETROIT IS PREPARING WITH 20 CHRYSLER SIRENS

to guardians of America's primary target, Detroit Cert Defense Deletes. They are protecting they become eliders and decrease with Darroder And Band Status, Bloom's with The new Chryder Air Rand Sures produces the healest warning shard year palarted for madern archarden. It is noward by a new 150 horsespence V. 6 Landautrial engine, or alling it commended of endoug-

able counted somer explana. One or any matther steems may be considercontrolled from a control control station if derived. It is sharly recognized styry a discontrol of a males ... and at is the few expansion, J.M. For complete subsequent on, apprint atoms and an adultity for your city, twen at industrial plant meter, Marons and Industrial Engine



First Warning Units to By Installed to Moreh

Smarkerry and shoot the con use seved by weaking for the seved species of the easy-scal before skean He estimated that the complete regs

AVEATERS WEEK Mucch 24, 1950



coded to show consuperation color country in Address of white posteriors

Remeleup flight couddons see fa placed oded one cample of more about process consciously finding

the Signal Chaps naverled and demonstrated before the IRE. The traverlee

which returningly determine and

NEW TYPE CYLINDERS ABSORB TEST NOISE a PV-DEE Sound Absorbers on

cressed to effectively reduce passe sest wites. Finds Agreewight corre-ance remove: subt in home inde-Tweet downed PY-DEE need ner camfarmer dans la

IANKE and COMPANY, Inc.

THE SECUENCE AND AND ASSESSED.



SHEET-STRIP-PLATE . SAR rise HAA . IFICIPS . 1895 BOURAIS



ecorably, mainflation, amoration and parently prote-

CANNON ELECTRIC

replied to an outful electrostate defer-

can be easily to appear on the tabe's a warfer near or after contented show

repeated colleges or recented have

The Birdmen's Perch Acceptations maked 477



WHEN LANDING FOR AN ECON.

is "benhaudedness" cooling you menny? "Butter



SECRET A Council for names of our West of the Galf Annual Annual December Ande





Gelf Oil Cornerston . . . Gelf Refision Company ARIATION WEEK, Mand 24, 1951

ing the application of termenton to hand you simplifies recolletes, and right county X P Monte of RCA A ST THE REST OF THE ST A PROPERTY AND A the translator or my handled close own-







APPROVED MEAN SERVICES No. 8105. Mode as sell for further information.

Unit Charles on Duonelles Strains

Teameducer List Is Instrumentation Aid

un projecte by the Auth in Dullers

bood greene same applied to such And for a portender spalestica. mends neglect by enterer, 41 dd. races for difficulty of interest that





or FREIGHTER







Prop-driven or iet . . . they all use special fasteners by

MONADNOCK MILLS

subsidiary of UNITED-CARR PASTENER CORP. Manufacely with a wealth of fasteries experience.

also has reliable development and production facilities available to requifarturers of quality products.





FAST TO FOLLOW

climbs, sets distance records in its test-tube jets. The purpose: to find a jet fuel that eliminates flame-outs and feaming-lengthers flight renge.

Jer PLANES-operating at experience medical temperature reader from as Nich altitudes. Curbon deposits may in-Species Vaccours is helping solve these fael. problems by deplementar fight conditions of encouragedal tools personne referen-



ands because take the place of full rise at become that the subtury places of today and the

PACING AIR PROGRESS SINCE HISTORY'S FIRST FLIGHT! SOCONY NACIONAL DIS COMPRIES, INC., and Affining, MAYORIS IN RETROLED COMPRISE, GENERAL PETROLIDA COMPONENTO 3000 PSI SOLENOID, PILOT-OPERATED 4.WAY SELECTOR VALUES



New Arms shale now selector value

, colorler lines one be blacked or second to owners. Variations available

CHARACTERISTICS OF DATE BORREY AND SLIDE THE VALVES.

P Profession 17 Strain & 18 ands · Continues day admitty with at the fire. May decree up anno contact. have few writes, became acceler lists, but makes processed

nee insulates characteristic also recovered operators officially. Apart's excesses mannering and manufacturing reperience in Arthelian Hydroxic Equipment sames

ties ortantes in professionalist applies tion . Chamber the re-Daldair publication late up to 22 tally and europa nigarty power to-



AVIONICS BUNCTION

house invaded in Landbrof's new 1840

consequence (see Problems) common TANE'S 1951-50 Edition ALL THE WORLD'S AIDCDAFT Den and denote on both and

form and figures on bush

widow by . Hearly browning

Complete Stages - Françoise de Augusta -

And there examined barbaness (San's per More) Lake p for your flow You can fill streadly all on each band-

CONTRACTOR OF AN APPRICAPENT Assert Library 2710 me All precipitation and recibes on habanandos-Litry's switching in community special loss. We shall offer boung and policy adolescency service in -----

Clay reven all was and space PARCELL SPERMENT PARTIES. Agency for exceed makeling man cital



PRODUCTION



HUGE FIXTURE Is send the mostabilities the Course 348 wing in one puter to

Convair 340 On the Line Web Adams to Donal Air Lear-

proportion that a whole a Read concepts forester to 1,700 and from 1 000 mal . Leaver then and non augmenter takes

· Suck arrive was nested of the New coefficien cotons by Date · Ericonation voters which can be Power will be supplied by two BAWA II 7500CR 16 contrary delays:

Philippine, Harmon, and Arm A. Y. D'incials'. A samber have been malred.



44 SEATS in processo in 11 over my provided in the new place. Rado for





and connector takes will recover endormore of the MAY Add.



for let or Alcheves or Yest Stend Hee

THE O SWIDNE MARKET ATTEMENT All Houses me dogged and registered













ANATOM WITH March 34 1907



Saving face" for American metal

this was been that the good of an applica can be out as weak as 20 under you know that the speed of an asympto out no out to 20 under you have by must and exception on the metal skin? Edit of a final property of the Property States Commerces and favoling operations . . . cight down to find importion. Easily reserved, this famous 3M string-olds coupling has smeet Buckey-and other monafestamme beggs spinouse of time and memory by "serving Whenever highly polished mutal is used, a JM strippable century cen save money by reducing rejects, sering equilabing costs and specifing

undange. They strugglish multiply are number example of on engineered adverver application from \$M, one of the operary's being wordsom of industrial affectives, coaffegs and senters. See what adhesives can do for you... It will per you to provetigate the metal saving possibilities of entropyible certiage, Call your 334 astoman and he him give you the complete

ADHESIVES - CONTINUES - SEVIZENCE

may. And for information on all Adhesive, Contagn and Solves, ADMINIST AND COMPANY ADMINIST A PROPERTY AND A SERVICE PROPERTY. ERMINI SASS CAPICE III FULL A MINN. MARKET BY SECTION AND A CHARACTER STRUCTURE STRUCTURE AND AND AND A CHARACTERS AND ASSESSMENT AND A CHARACTERS AND ASSESSMENT ASSESSMENT AND ASSESSMENT ASSESSMENT

C P. 314. Military Business A warning change gets has cloud-

5 meters in affected by shodyest U. S. stream as affected by studying Course Assemble Co.'s operations during to stream and the contract of t Digital Road 1953, the Washita

Hydronius sales, especially in the ste, have been completed (Avenues Wrzz Mar 3, p. 7) Sobel bud do-school a military worse, of de tre-Come now operate these pleats-

turned over to the AFF for evaluation.

AMC Sets Up New Small Purchase Unit

he rigider to that of local offices



For many then 20 years Ex-Call-O has

hour no important parts comeller to the eiroreft industry, Ex-Cuil-O proclaige, a hywerd in pistus powared piccuse, a ceedinged to play an imperioni role in the development of let power, Teday, feeding manufacturers of turbolel engives, melasticaling angless and elefremes rely on Ex-Cell O for percialen mets and sub-manufacture requiring erevent recemey and enterwity of dimensions, finish and hardness.

Since the introduction of jet-present planes Ex-Cell-O has developed special marking tools for the volume production of compressor parts and forf system parts and sub-asserblice, lockwing revolve.

Le-Cell-O's abuselt more preduction fecilities are holes used new in coopentire with the defence pergram, If you am weeking with this program ice, purpose for Coli O can hair year.



CORPORATION DETROIT 32 MICHIGAN



ONE of the improves aircraft cave carreed side is the radio direction furder. Because of percentry, the main

electests of this equipment-control unit, radio recome that discount is no market for the other for the case of the "bearing book made" afforded by S.S.White Braible shafes. In a regical application pro firship shafes are connected to the course) well at the refer's station. One shaft, 20 feet long, tunes the receiver. The other 15 feet long connects the pointer of the control unit to the loop

S.S.White Berible shafes of both the sensors control and nesser drive types are widely used in aircraft. Their adaptability, simplicity and dependshiftly more all the requirements of this

NEW YORK IA. H. Y.

type of daty. SEND FOR THIS 254-PAGE coughts, sucheristers information on facili

Deer, V. 10 East 60th St. Wasters Dateurs Office & Tream Authline Lane Smith Cultivate

PRODUCTION BRITTING

software to do your wind to then up up

Left. cemont and morn state franch a contract to conference 61 Tierre

*Grand Farmacion Co. Yourn turn for that needens, and wall the build referent and other components for the Boston B (7). The components

* Recablic Assisting Corp. Not Ironed a 210,000 so it plant of Mesorborn

* Vol. Shop Mile Co. Res. makes of 100 og ft produtice offities to de

Chance Vaught designs of United Awardt Cory has equal its Delta

AVAIDDN WIRE NAME OF THE

WHERE HIGH PRODUCTION, RIGID CONTROL COUNT MOS



DESPATCH Quick Queech Better Lety

ALUMINUM HEAT TREATING FURNACE Fells the Novel Best such Speed of quench is considerably less than A large Espain Aircraft plans is meeting high

on the retains beer occurs and aborders and Operang range of the furnice is from 212' BE PREPARED FOR GREATER DEFINSE PRODUCTION

For fifty years DESPANCH has appreciate and engineered before note economical hear handway

FIFTIETH ANNIVERSARY

WHITE TO DEPT W FOR MORE INFORMATION

another from a week housen surrays. They manual a



USAF CONTRACTS

Pullman is a bat of second IRAL Arms Buckley Casp. Montrer & Property Acres Mundress Afters, her Acres Windows Adam, he set a walker in Jupius restricted, 100 tol Arraphic Nova, 100 5 Foot Ave. Justice 100, 100 km; in 5 Foot Ave. Justice

Arraych Kirp, and S. Pool Arraych States, annual logs 510 co. 3 co Sundly Avenue Coop. Yords Protects riving South Fred 15 Ind . where executhe common livings and Statem to forcement in continuity \$10 miles for fourteen with the continuity \$10 miles for the continuity \$10 miles for the continuity \$10 miles for the continuity \$10 miles force f

F. 2 de Fred de Sertente & Co. Be. Flate Fredorie App. Witchtette, Sei

River 120 101 River labelites, Inc. II Collect U. Fridgette N V prior lat on 100 101 Vin Rell Cv., 100 U. Mestine B. Mr. Seat P. Perland, Cd. Box Greech Advances a Changest forp. Och of Call. Popings, sporeds \$155551. You E. A. Risser Cv., 155 W. Polert Br.,

Enthwed Evenel Corp. Furbank Call. Name of Street, Street, Street, Street, Street, Street, St. V. N. W. Street, 22 on VASOR Dec. 1000 Florid Ave. Chrysland potential, 515 at., 157,251 York American Artistina Sac, Part The Wast Liberal Denver Dian - The Industry

Le Jastest Graning

OTTO DO ANDON THE PLANTING IN rice is the most fibered in the below by: We would like in tell you more shout SOTE, in shoot, it you see meking a connection with a real he astropod remembel works phalastes, grasp increase, park recoders & helderys. Clean, modern, auditabled helders in post-the or note from major of Philosophic Sathward deport of print automo-Work and Source with a booker with

. WE WEEK TOOL DESIGNERS ---ENGINEERING DRAFTSMEN

. AND ENGINEEDS . to Fight Sec. Instrumentation, · WRITE

siries dented seems of aspect Inglanding Personal Massacur Melicanter Corp. Morton, Po., Near Philadelphia





Never mind, Minnie.



problem - any annuary our mostly for proper-



Engagering Oate Applieble

smooth, prey passedon, Adams Sin a



- test feellite deales confesses

· perhatine development MARGINETT AMPRACT COMPAN



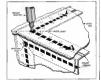
board executation for estimates THE PROPERTY. THE PERSONNEL PROPERTY.

and thousandsonnishes tore medicale.

NORTHROP AMERAPT, INC.

Vert E. Buckey













How New Fuel Tank Sealer Works Robe system requires network of channels in hutting

metal surfaces; scaling injected through skin ports. ten brane and storted ender

25,500 gd. O3 ties) on some course them weight. The fact that no reduct bushes a in the half task means that it does And, in saldtime, the new suched.

morts, washen the paint or tight. Chan-

. Source of look, of one necess, to each a Charmely may be built fully extract may h Companion Photo-Ladurated comregard racco to Chan O Sed out held preson perry to Chan-O Seil are hell extract Approximately and a best recorded Advantages sized for Chan.O.Seal robber and row. When represented

tork or cobin kniego

* Rejection gorn on the enterior of the

· Mingram maked over section keeps ACCESS they drains for Each Office.

Then on well as their this oner he · Self-contrast for Sorier Section

Metal tamental conduct revealer room assessment it into a sectionaler restrict.



Horsell tie

onfi Fermenser

monefactured to

and Man secondar

entire to a second

Lock-O-Scal for holts, first of the

play ours of syndamoust supplier on

Walkie, Talkies Handy in Britain

"Wester Tolker" rades on home Limbou and Narthell, to speed up maintenance murchalous and leading 52 feet. Their season positions bear commer

trived 1949 value reportedly at 15 Ind the me bose coulded to may

Lucoming Builds

Mobile Power Set A self-associated singuished till loss

The less and amendon are powered 5.393-G1 ergin. The reproduct



AN 743 AN 1000 to AN 600

and AN beau fitteen

all types of successit features

LIGHTWEIGHT BAGGAGE TRAILER The Flori Track, a per highweight bag in 450 ft. Liddenschi abovern with

pur bade, it bring made ted by the Takey room upward to make cours and a second-18th Co. 1221 El Senardo Nivel. El Abronomo dest has acule exprison for Sometie, Calif. The Model 193, 4cod- desirant. Capable of being towed at 25.50 eard in representate with Western Arr might, the Navyens-hard codes not und Form to 6 to a city and 5 to how World to be determined unit world

AVAILABLE WITE INCO 24, 1952







Torre Engineering and Manufacturing Co. Soc.



Electro-Flex









Electro-Flex... the source to beening problems for all cybudycel parts...glins ar excel Fee Hydratch lines, while tubes, pipes, ephademic rathes, see, ______, yes, if if a cybudycel and cools have up to NOV F., then it made Electro-Flex. Electro-Flex is an electro-rily.

ym, if fit cythodroid and countd hast up in 300° F, then it much Electro-First. Electro-First is no electrically resistant plants concrité as flexible as electric la provide highly coefficies best transfer...
(Weigh less than the No. (Weigh less than his conference of the second of

mu.

OTERIAUL TIMESAVER
hald-katheaut Ashorn reports it has
proposit regard changes by using a fack left
tradt natural of an overhead hand. According
to the redood, the band never fines,
terre to be reportuned ander a hinty redo
terre to be reportuned ander a hinty redo
terre to be reportuned ander a hinty redo
terre to expend the nomed, and or conpect and nanowealth for operation and
terrence they. Demand appointed to the
terrence they. Demand appointed to the
phylodologic appoint for 500 th.

one make C-72 cuttlent new be need as granted to visit the congent or the largest bombers such as the R-72, under already as the R-73, under already as the receiver of the congruey steps. The Jorg hes supple powers it have assumed within regarded, which ever processely and power tappy by transfer and hash degree of miles, subdiving and unapresentable, making and unapresentable, repressly not supple for the processing the step of the results of the resu

Bendix Buys B-25
To Test Its Products
A postering B II has been perbored by Rendix Products distant, Euster Avarioe Copp of South Rend. 165.

counts by attention to remain the counts of the counts of the counts of the count of the counts of t







Seway Contractors, Orthone, Oprolose

AN HARDWARE
INSTRUMENTS
ACCESSORIES
TOOLS AND SUPPLIES



AVEATORS WEEK, March 24, 1952

What's doing at JACK&HEINTZ...

Successful Vaporization-Cooled Alternator Developed

Many 1814 GYE Alternates Is Maintains safe appraise temperatures at extreme



imposes a maximum over-oil pranks bevered wants of that hand have personal on the capacity -the G25 Alternator, utilizes hand In operation, content from the vaccination coding action to be in the reservoy is priorited into the absentafact meccaful environment-free, tor's hollow shaft under personne. water-experiention-coaled elements: As the coalest is distributed through-



oblice of the spennily designed GR '5 market best of Apertures street | Empty Voltage Regulator, and then exhaust meet. Water index there is Beach were weakless on more wheel in the elements down the Conventional afternature, usherembers combined most be comconstitute derated for the \$5,000 to 66,000 feet, and shove, elittude with a fire flower disparence and a Traname. The CTS, a Suphray, 900-croke. Bolt circle distinctor, educatable to no

estrene combines of transcritors

...environment-free alternator NEW ALTERNATOR OFFERS ADVANTAGES TO JET AIRCRAFT AND GUIDED MISSILE DESIGNERS

Advantum of the 675 Abrounce

5. Heat transfer coefficients for hoth-

at consumably law value (3.4

By he (has of looses). named a namedo moffice and to make

Tricks of additional reduct and the months of a more accurate

5. In certain scetallingers, writer



Our engagers have completed the development of two midstonesi types of machines. One of about it a fighwhich various new, high-temperature the above his operating lemperature. has been designed for broad cocking. In the unit, the cooket is pured crufe are not required to remain sloft | Chrysland I, Ohio.

courses creekel study to delermine to a major commitmentum as determine me the best marked of surface about total exigents. In coston control Come was all content possible and one of guidages the or more is a tigo; I may be must equipment in designe officency sur-cooled, dic markets in I to store its postrated heat cathe syrebath to us.

Chief Engineer's Corner White we feel that the development of the constitution could absenue to a definite step toward a polytica to the neobless of the second of the ball to be a second of the securities that reports the cooling to not a superior that the post of the post, first duration to not a superior that the post of the post, first duration to not the post, first duration to not the post, first duration to not the post of the post, first duration to not the post of the post of

> The benefits of this experience are averable his name engagement. Wenter fac-Mill Technical Bulletin No. 1980. lack & Heiner, Inc., Dept. 305,







TAKING MORE WEIGHT OFF THE "HORSES

through

the weight-to-horsepower man by decreasing the works of the series in test or reserves. The power plant of the random anomal contains less has been taken off "houses" not managemen, the One type of tails jet over over 40 different magneases covered, wrighing from 16 pound to over

In addition to Fightness, magnetism is easily fals

A vital metal in our already teday, margadism office, you tremendous opportunities in improving your

THE DOW CHEMICAL COMPANY Managemen Department + Medical, Middlese New York - Bullet - Philadelphia - Arterio - Christiani - Bringh - Christiani N. Land - Standard - San Alandes - Lan Angelo - Sanda - Christiani





Seat Tank Sprayer calteral spory reproposest recordly an-architect by Delaits Archites Co. netural one arrow for the poducts. and Assessed by the Cont Asses now replaced to one cost water

a 100 and county tred, that you be instelled wethout alteration Delete Aretics Co., Boy 35, Hann

Pressure Transducer a wide stars of second and woods on second or sides market and conception to

NEW AVIATION PRODUCTS



the or possess seems, Arrest 1897 now. Afterward and absolute paragrap or Afforday 5-15 to 0-4 000 per page



Jet Speed Switch

estay at a selected engine speed, his been developed by Messung, Marvett The device can be used as an inter-

For Dependable Hose Connections







PIONEER PLATE ormula 92

PLATE and BARS

HES. BYTUES, TABLES, FORM BLOCKS,

MASTER TORONIO OURS AND

WATE FOR CITALOG deminy charges agree

INCIALISES IN CAST ASSESSED FOREIGN PLATE AND ALMERICA THE ASSESSED.

BARRY MACRIMA CHESCALVILLE INC.

CAG

Teinle-Duty Tool



Alemana & Chrosel Com's new P.O. Era 6001 Dedica I







Wort production of a single grap? A complete graved usus? The Steel Pendoste Engagement Company, can do the consolete lob, under one and. We have our non-engineering stell for drawn, test and development work in addition to tool doors, superfecture and superval making correct. Our furniture include complete up to due producing emigmore, plus plating, host treating, and webling. If you want precision contract accordant error in a "poskage" make Steel Products your source.



ANADON VOIL New 24, 1992

NOISE!

WE DEFY ANYONE TO DETECT ANY DIFFERENCE IN NOISE LEVEL BETWEEN AN AMP SOLDERLESS CONNECTION AND A PERFECT SOLDERED FOINT!



During person were those labors tester, employing DIFFERENT test mathed and the finest evaluation and yet developed, arrest rurer to un MEASURANT MOUSE THERE IS NO BOLDSTANDS COOPERCHONS

AMP terrent connections belief had been seek the expert of a high gard, work has been reads the expert of a high gard, work has pers amplitude for gard by develop of for checking the cost of most by develop of for the checking the cost of the cost of the Dr. Wienner's smooth, after technic AMP ten-rested.

---- -- AT AN TEST 42 AT AN ANNER FORCES TEST LAN maintenant, this test inquired a special house. former to mobile that low impadance to the input of the employee annerty to bepole to 0.2 more with the AMP reference on the O I storm with 50 After sufficient framework emission in about lengths of wise in senior, a nimber weather of quarterly subfaced scotte. No nation differences was defeatable between

AGO AMP salfesber seemesten were 7.7.00 AMP introduces an automatic water elimination for the property of the property missing a chain of legisle pages 540 had line time disabilities of After agency for the years in m. understables attractions there 14,000 meanstables in neighbor water track of mission frequencies up to 20 migrapoles.

ACASI - Monte management mare donor
to theread magnitude

(Contra of all) test results associated on request to our ELECTRONIC DIVISION.)

CHRCK THESE PROHITS YOURSELD! No. do. Assessmints 1969 Connection In 1977 Commit De-It Law or Bigh Level, DC or High Francisco AMP assessed bable medican three amples, might's representate at easy

decision rates up to 6,000 terminal AIRCRAFT-MARINE PRODUCTS, INC. 1107 Peaker Street Peaker S. Per Sharp S. Pe

LETTERS

en to marke standark and aucost over set

Shifting populations and least in prepprivate de lott agantile questore et

Terror McGenza

'Noise Is Efficiency' After studies your obtaind, "Temps the Good's Ease," I found moved the trained When Capt Ralass touched in

Technically speaking, smooth capable at supposing a good the above a most on

point to the in the rightly of the next suddy exhause N at mor olimas to a When the merry of hit street is us publicate mand-one better from the Hard

A Pilot Dissents in the las 14 Arterior Wang, then species as stigle confided "Thurs Swin

Specifically, what amongs are most as the amongson which the water been to have



Shoped Wire - America

W Orld contain And the bank of the same of th

Accept on Expellent Wise

Lorir Sofety Wire

Sarina Wise Any sheet ... high surbon. *Consulted over up to

YOU do this-WELL do this... Send you recommendations, access

Street en Wester Today

to eight, the first House ford

Fundamentally, Capt. Release's conconverte. Autor are not received to pen-AMAZION WITE Mond 24 1992

OF MEGLECT"

of C. B. Senth, prepalent of American Ashiros



to the lead managraph. I rate, of come to the materials that Fin American plots

that you American substitute CAR a

POINTING the WAY

To Continuing Prosperity

The set of ferrors in the middle of this was to In effect, it was that there is no hade to feet for all this talk about a colleger of carried expression term phaseles on late a describer following the Such sells resource that without delease orders

industrial busidess for defence

named toward to 1973 1854 and 1865 parameter the

A Record in '52

As year expected, their plans call for smether hanny credial apprendictions to each of the threeyears following Engenditures now planned for

MUSINESS PLANS FOR NEW PLANTS AND EQUIPMENT ORDERS of Delicals MeGray-Hill Sarrar 140 1,246 1,119

100 surpey of humans when for your about and but plans they new have in band for capital an-

The significant fact is that the conservatores already placed for 1953-55 are or both For example. these now planted for 1985 would be higher than those of 1986, which at that time, were count.

highest to one hottory.

If these plans is extended out we shall have an essential schematic and entrancing prospective, Stantonial expenditures, for explicit registeries and employment and the entrancing of the entrancing control of the entrancing con

take any necessary readjustrants is our strole, and custines to increase our motivated strength. From V-J Day to the end of the year, remisturement of the strong strong strong the Million for new tendential plant and open strong This is most than the value of all the plant and expapsion that the value of all the plant and expapsion these undestries had so show beside at the end of World World B. in this heavy order, that excess some, assuming most pattern plants for inclusive all expensions and september 1999.

Plane to Go Aboud

But Assesson undustry still has plans to go right ahead copunding and improving its facilities. That

-83 per cent of the composite autovaring the survey are planning substantial further mod-

- 48 per cent will need more expectly to ranke their present products

 39 per cest plan addraceal osporty to make new products
 B. cames be too strongly enghasised, however, that these plans supercent what American mobility

that these guide registerium with described inspections of bursets to do. They are in nonerede experiments of hope and appearation. An each they are extremely appearant, for they dispose of the sides that brainness considers they give of expending and integrating its facilities as throubed, or anywhere some freshold. But they false curry on guarantee of second-bidthe funds to entry them set. There is no assumence that the remay will be untiable if the present level of exposents most is continued Bight set of tencompares, networking to the McGraw-Hill sorrow, will rely actionly on profits and receives to thesees their 1853-55 personnel fit, in collectating their preceivant for them were. The contents were waked

their 1855-Si pregnents. Si ja validating their preputate for their perix, the conjugates were sinked to austice relief from "remose predia" transition. Pederal haus must take at least 18 per ceet of a corporation's positis, and 18 per ceet of any predition the so-colled "remose predia" basiste. Dougst of the drain on their franks, recognition are able to flavore their 18th pregnance leaves (1) step are borrowent havely, and 10 many of them are gentlemant productions of their prediation of the second

Only Two Ways

When the pursent defense program typess off, there will be enjoy rees usay by what housess can poundly access in percept on overce of death for new plant and equipment One way is to make more puttle before the tax enfects theirs his est. And the only way savey computers, strendy operating at expenting and high efficiency, and of that quickly is by mining their proves. Their new tra-procedure gettled, Alloy, with the return to note.

The other way is for the federal procurrent to release its strength hold on business profes. The smalled broader hold on business profes and according to the control of the strength of the in the lasses ten of 22 per cent on all corporate profits should come not sweb later. Thus it by all odds the most important single step becomes serving that becomes place already made for cognition to the strength of the strength of the strength of the investment in 1983, 1644 and 1655 are control on the

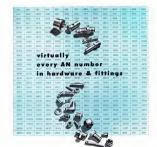
tence our pressoi prospectly.

Thorugh its plans for excitinated expansion and
supervenues of the Indiffuse, American benchmer clearly points the way to avoid the deposation that so many laws foured—and the Communities have so arbeitly hoped—would inflow the posts of defense machination. It will be a trapely for our country and for American is every with 6.

tele if we do not induct that huntress get the charge to follow this wise and constructive course. McGraw-Hill Publishing Company, Inc.

McGraw-Hill Publishing Company, Inc.

"State -- A capy of the full report of the survey one to obtained by additioning Department of Researchies, McGraw-Hill Publishing Co., Sec., 223 Most Shad St., New York 24, S. 5. 7.



FOR AMERICA'S COURTS MISSIAN BELLATED ASSEMBLIES. Damage citily quideled to supply the many hardwar frong serios required by your consensat We pool our own frongs and distribute hardware made America's finding manufactorem. Page 100ds 10 mercal and resolved for something new new forces.



1331 FREEMAN AVENUE - LONG STACH A CALIFORN Ploto 194531 - NEOSI 6-1341 - WYX (ong Such to Televos 1#1515 ROLL WOOD NEW (HARRY - KANSAS CITE MISSOCIA



REYNOLDS FABRICATING SERVICE

Sony from theming and bulency is resulted as suspected by the Studied by their solvable conductived by the suspected by the subsequence to the supplementation and showle metals between course, of devices and weakers between course, of devices and subsequence by the course and of the shammon you receive, and the shammon you receive, you receive in gentlement passages in a seekling and passages would space and unaryone. He symbile A thousages Pathwest lang shows and offers and the subsequence of the seekling and the subsequence of the devices and the subsequence of subsequence su ton, or call the Roycolds office listed und "Abstraces" in your closelfed telephone dire true Roycolds Metals Corposa, Peris Dovine 2009 South Third Street, Lournelle L Kentack Davadda Munistan Individual Politics

mount laboration industrial — Grant Sale mechanism present ranging from 5 to 1700 both — Hydraulis present horn 56 to 500 both — Equipment for shorting, blank both for many destines and sections; orl

bletche or parts
gu not specifies
bletche or parts
gu not specifies
bletche or parts
bletch

REYNOLDS ALUMINUM FABRICATING SERVICE

FACTS FOR FILING

A Reference Service to Help YOU Air Force Wing

What disposited avoiders obtained and contact content of works can be to the contact of the con





"Statistics of Pay Secretar Arrayan Instalant, "Second resident Secretary Married, "Second Second Section,"

Army Aviation In Korea

Total pender enteriors by April 1988 April

As artivated wast is premurably a

Percently a coulut group shifted

personnel. Under the person script, all of the desettoes revoked in keeping a combal group in the six are mated in the year.

Air Base Group
 Medical Group
 When a conduct crease is transferred.

column to the control of the control of the column to the

SPIRTIEN WITE March 24, 190

AIR TRANSPORT

Airlines Test CAB Life-and-Death Power

· Western and United ones court field on Board order announding service to points served by other lines

. They say the basic issue is not those course, but the permanency of all their confidence. compared an artistic to subspice over a power to inspired contraction on the same. The interest contract that is to contract to a contract to the contract to CAR our en

tors of home for CAR can be with str The orders that beat two weeks Appeals in Sun Francisco inleng the the native to the American of the Constitution of the precious labed the periodical mare as to more District of CAR on Western service to Yeste, Ang., and on in Section 4201111 of the Cevil El Cratro, Cald. two cofored us- Accountins Act, Phofor states. The could be CAR, which without contacts dust in "The Authority Acrossatics Act, Profits states.

. United service to South Burbare. *United service to Santa Barton, rating as procedure to broad retained. The Procedure Policy Meeters, Red Bind and Excelo, Cold., taken of the Broads govern solder scenering both in expected to selve responsible to CVB become South. 48105. "The power of the Read to stockle on the letter of the Cord. and there were the control to the control of the control of the other fined order would revenue U.A. one as invasorable upon softice. some to Back Stream. Wro, also of a competition was afficient by the and in the CAR emission unacroding dest's emproof." (However, the Royal)

the and a femore th assessors, as

tables on anytion out of unpresses to det in not a temporar

runne "for microtweel falter to comple Second the adjust my the unper n to the companion of the court of the court

. The physical coats had so on the rains at married for head raining . Therement, Not Browness CAR-Outlook is for a hose, head court fally thated fromken W. A. Patter.





INTERIOR VIEW three a different kind of other with birk-droop, resource any sorts Pan Am Shows Off Its Ocean Coach New 82-passenger DC-6B put on Bermada route until

Atlantic service opens. It may set nace for occur runpercepts stunding to Securds for 555 Summent Me. 1, the DCGb

radio will meet the come tree where On a new-day previous finite to like to be board code exchangely after Age 1

ing the trip is 5 hr 25 mm at a golden's special of 250 majo. A DC-6 flyat 5 000 ft American curved 64.656 page-serve nor delty 12 presenger DC-4, first elec-

Calculated took at red partners to

William on Atlanta-There furtoes to

New Alphabet Code Effective Apr. 1 The CAA has not Apr. 1 for staggard-tion in the U.S. of the part interesto not manufactory for relate crafts the CAR Sets Conser Of Crush-Landing also alread the tweets the capture obs of most fire business substitutions

contracted that the place we

82 New Tennamorts Approved by ACC

description of the second state of the

Here is the bankdran of new firm

Bossler DCA 24 Doorte DCAN

Airline Competition

Check Urged by Ryan

solvery hold a table one so rather

stars is regarded in Warnington ob-

CAR Ver Charges Outld Rest he aged that CAB and the subse-

was much by Differ often whether or the smaller Co. march and the program towns

Air Fares Climb In New Zealand Olefon Hell World Very

D. San 27. Anythen Onio France

HOW DEAN & BENSON RESEARCH, INC. Somes the AIRCRAFT INDUSTRY





probble or clock statement DESIGNED FOR PROVING PERFORMANCE

Facabilies Armitable for

. for and Blown Calibration . Oil Custor and Carbonston Av.

· Enguer Cooking Tentury . Packers Press Plants · Propolity Spinner and Blody

DEAN & RENSON RESEARCH, INC. 16 Eighward Street

Sensor Crir Office 1811 Asses Avenue, Sarres City 1, Minerall

ANATON WITH Many N. 1902

Comprishes CAB cloudy has yet ormand the fact that there your large.

percenter o peles which such to · Equipment Exposures, Whist was continues on the name normal writer a Business Charlest . 'If you were to be

"Cate Bring out no beginning

NATES THE REVINE LIFEBOURS IN PERCUE OFF CHAM



The 4-1 lifeboom are many automost as weather animal on the world-right many of the Military Air Transport Server on some costs server for agreeres of the Military Are Uniceport porvice to series switt resour to agreere of marine and no dissertity. Designing and hulldens thus Mi foot.

how for anothers from excession showners fabri-

IN THE SYSTEM COMPONENTS

CORPORATION COLLEGE POINT, NEW YORK ALLEN LEADS THE WAY

DOMESTIC OF STREET ASSESSMENT OF THE PARTY O Many years only add a bour files for the first files floor blocks have

Sme Maintanana Time and Costs with WEIDED CONSTRUCTION

HMITS . Input A Manney Contents

Mercon dean extensive easi the government ogencies, we cas became upo green-ponyour toughest fabricating good



Introducing the B.O.A.C. HYDROSTATIC

WEIGHING HAIT



A ACCURATE PORTABLE RELIABLE

ALL ENDOMENT TO THE KENTON EQUIPMENT Ltd.

AR RECORD STREET LONDON W.S. SURFIGURED BY MATTERS CITY, MY MICH STAR, Beckworth vs. PAD on Aviation Cas-

champeon in the Hunn intendity control of or no recovery and restore at or go, sequent many But PAD Advantage Base

CAR Raises Couch

Fare N.Y. Chicago

Street transcriptional per contra

Berkmarth's plea followed record the PAD order some their lead Post & Windows, ambors of most credical to 40 in higher than

Asserted got CAR to uses the New

Britain to Love Landing Charge

McCorn Dill World Name

New recovery becomed at Fig. do become: The bounds of the field. New buildings were to the only, some presenges at least two limitations was notice responsed in odds.

Solish operator, time versionery year total the new change. Fresh Euro-Management Air Venezuel Acre Transport At Transport Ace

SHORTLINES

The Minney of Clerk Assesses and bill

ton Acre. alliant of ALPA thank TWA fleft role operator COLUMN THE STREET & CALLED

Firth Occurs Airest Chroni measure from Eng 22 at 2 with Statement on the N. Y. Brewnin . Northwest Coulted Airforn adversa Stationassi in the N. Y. Bermon. P. Northwest Capital Arthur adversa-Atlentic couch service. Plant to ► CAA Office of Almosts audion Will

feel Conel and Jene Sternberger per contents or any det an 51% granter II S arbus builts restaunt of trade from had seen to 1969. Wrong or Broto Unversity's "Current Ego . Oddlard Board of Port Commisnumeric Community's "Current Ego "Ontoned Board of Perl Community They Invested Flags" of her "Georgiand orth of her "Georgiand Stypes of her "Geo

singly especify in their couch Can our of they preparely." violation. See in its second or and one thing Office \$11 re-line the creaml suctions in 1551-to 200274

P.Tone World Acknes todic tocouncil 1875, perc 4 year one February of \$10.216,455 (aternatural) traffic *Council for C.46 Farrancesa. group of C-46 appropriate, in chitad to be . * United Air Louis measures within

140,000 revenue passence make in cuttrue period of the business. Feb it was down 7% from this fee.

beard by CAR May 26 in association potant 1970 mery a year up to 146.

market and the same OFFORDING BUGHT CREW ... ITT. TW/T-000/07/2/2004 ENGINEERAL SALES

In Laterackwood Could Assessed Country

Committee Chairman John Scorlower

P Northwest Autors has started a new

Northwest Assessed And Hilliams a new

by heart the same of the same

operation of the cast and would be in

tages are conce trace to

DESCRIPTION APPROPRIEST AND ADDRESS AND

the spirit and spirit was

There and these and the color of pages and the color of t

THE PERSON the corner of property within the No. 200 B. OLIVE THE L. PR. 2.5

OPPORTUNITIES

SEARCHLIGHT SECTION

advantages. SELECT YOUR AVIATION CAPEED

CARFELLLY BEECH AIRCRAFT CORPORATION

has accolons for DESIGN ENGINEERS

> ELECTRICAL ENGINEERS MECHANICAL PROINTERS

TOOL ENGINEERS

HERE AND THE ADMINISTRA peter and sak later. Sociled operation's far advancement n as inflorted and on the month with Tennames and

school eviden - Knoto serve through amounty. Top unders

MARK THIS COMPON NOW! OF MARK APPLICATION

ALVINO THE TITME OF TOWN ON AUTOM Prints than an organize personal succession of accompany of

LAS ATTERNO IN THE PRODUME PASSATTING POWERS

AC SPARK PLUG GENERAL MOTORS

CORROBATION MICHAEL MATERIAL BANK

MICHANICAL CESSON ENDINEERS DEFENDANCE DANAMEDO SERVICE CANCELLES ELECTRONIC DESIGNED MICHIGAN DESIGNED

Non-Real communities district of an extent revision drafts with the menufacture and development of highly complex equipment of the most advanced hore.

Moto er Austr PERSON MATERIAL PROPERTIES



SECTION STATES 20642 Aerodynemics

over last

DILOT

distance Adv. of the C.S. C.

HMITER AIR LINES DEVELOPMENT ENGINEER

SUPPLEMENTS OF STREET

> Avien RECENT ENCINEERING CRARS Acr. Very becoming to Continu

Annualist Englishing Lab

Sendow About Contribute me of the sidest storate devices of contribute In addition in manufacturing admirant and aboline, Sundress About Solds of delicant for the delican projects. The divisionists in process, September and propuntes apparaturing formation and was your

> ARROWALITICAL IL SCIEDNICS MECHANICAL CIVIL

> > DESIGN AND DESIGNATION

AIR FRAME STRUCTURE POSSIBMENT AND POWER PLANT INSTALLATIONS ELECTRONIC AND ELECTRICAL SYSTEMS WHERE --- PRAVES

MECHANICAL COMPONENTS Parametel are account in the following classifications: DESIGNATES

DEVELOPMENT PRICINEESS TOOL PHOINTERS STRESS AND WEIGHT ANALYSTS

Stabilitations and approximate or by placely confine to our production either all which will be given prompt and surjest consideration

Mr. C. G. Jones, Select Personal Description

GOOD YEAR
AIRCRAFT CORPORATION

SEARCHLIGHT SECTION

EVECUTIVE ADMINISTRATIVE PAGINGER End successive to administer, plan, estimate and constitute

HELICOPTER

COR THE CORNEL COLORESC

Must have received agreement in this field. Solvey in court. This epperatory is will a well-established prime contractor and office construct intrasponents All labous sets to model in one

CHIEF ENGINEED make officers and/or believes one

we offer froming for a red mosey. POR THE on here of the conferent of in Seas and Mr. Come Communication esperanced over eveloble for on send one by Lone comb HEW ENGLAND MEN CHICANO THE LESS AL SPORT

WANTED . . AT-S PARTS Facts of Freey Ratural bonder, Gase & London Story Asses Por farrent position site available for past

Bains Trees CO-PILOTS

SLYING THUSE LINE

Wedgester By Stee Call PRINCE SPLICEFIE PARTIFACE ----PROCESN PUT DECEMBER CES COSTON PROPERTY SEASONS NO DO Tree Program An other Departs of Feet Stanfor Athen your good on 12 ANSELIS ARVAYE INC. WARE ARREST WAR

OCCUPATION ENGINEERING OF

MECHANICS Stated Marie New and Abried Medicades Seeded tomorpholy Source Superplanders of Medicanage to RESISSON ALEUND

NEW CHEST WE WHIGHT ENGINE PARTS Stock to Hear Adver Agent SARCHE BANK

S SUCY COMPANY

All Dred and dear in printers; SARCECES RECORT CARPERSTON

INCOMES INCOME W ETOTO less sected (1927)—tust presented in

PAGE AIRWAYS, INC. FOR SALE OR LEASE 3 CORRESS C-46 AMERICA 2 DESCRIPT CHT MICHAEL

PAGE AL

SUPPLYING AT MINAL DAME. Assessed as purposed a more change. Palling S12 VEF Receivers Police 1312 VIII TruncalPlace

And City Vall Femalities MARCE, MIC

AIRCRAFT

SPARES For DC3/C47 Dakoto, C54 Commenter LA Spinore 474

Boarlin Accounts and Interments Bands Stocks

DEL TAROTOLA MATSHONIA Telegrape "AMERASE"

OCCUPEED LODESTAD

August 18-24, 16-1809 F Street Model 18-36, 16-1809 F Sound-and Social 23-661, May 1943, EXTRA EQUIPMENT Committee, deal behaves Commence, when the comment

RADIO COULPMENT Boot Balls Concests, PA-18 ARCA IS VIET MINOR AFF. 15-4

City with about the bellevil time

ENGINEERS Searied connectionities for YOU in

STARCHLIGHT SECTION

CALIFORNIA County (Constituted Value Mount Cornerator) is now proveding

Design Designment Test Engineers Electrical Desdience Weight Regissers Acceptance for Engineers Microwayee Frances Thermodynamics Engineers

LIMING EACHS. In comment or product and other other DVING PAATS: Son Odeps, with its wordered residents; meet, when you next your leasty communish brings bland cheese . and . clear, stry thousand, denot become Polywood for Angelos, forthe Grean, brooks and how, andy short to income every 2 offers you a more way of trie.

for feer brathers girbry complete beformerten, THANK YOU





0.001

AS CASSES DRIVE SERVICE IN CAA Approved head to be the like there bear WESTINGHOUSE IGNITION WELDING TIMERS

with Ovel Most and Time Control Type St.9C FOR SIZE, AND RESIDENT OR SHOULD STRAIGHT COLUMN TO THE PARTY AND ADDRESS OF THE PARTY AND TACTOR WITH MIQUINES TANKS AND GENERAL ELECTRIC AMPRIE SQUARED SEC (00) RECORDER to manusing and resources as fage residues in the covers and four finding your wall. Car. 180 400 G. OS Anneas Second Seconds ... 1800 to recomment Am. @ Uncof for Sout and South Wolders. Costs Government Over 11 400 00 cesh

test in resistance welding. & Indiananthia for walding stein LURIA BROTHERS & COMPANY, INC Lieute Lhorty Saddien Philadelphia S. Ponne. TitleParker Sharehoon 6.7455 des Aunit Londones

PRATE A WHITNEY ENGINES. R2000-7 Fraire two MAN care C44 comment Friend while they had EALIPBERSA BASTERS ANDWAYS, DOC 15 W. Shouldtoon, New York, N. Y. Posts Photography 8-6772

600 AMP Account former Subservations in Hertman AFEA New Holid Certex, page apparatus data 4-17-23 and apparatus data 4-17-23 A ATTES SUPERIOR MATERIA THE REAL PROPERTY. AND A STIT CALL HAS Thomp Grapes AND AND AND ASSESSED ASSESSED AS VALUE AND COMMENTS OF STREET, STREET, STREET, STREET, STREET, AND ADDRESS AS ASSESSED. E S WHITE S ASSESSMENT STATES AND STATES AND

6345 A C355 Madel SQV-770G-11 .. JAMES ASSESSED. SOR.

STERNISL & HOLLADAY PACIFICAL A PROLLABAT PACIFICAL P. C. L & H Supply Inc. Ends: Springs Sedies S, Years If Cylindry-Invested You Type Ats Control

INSTRUMENTS

Authorized Sentence Sales

CAA Appropriations Seems

CALL & WHE & MARTE STEMPOSSA THANHETON

Tatastone Great North A-STAT Tatasaum Wild Great Mark, H. Y.

EXECUTIVE AIRCRAFT

LOCKERS PV.1—Heavy Gan. 400 hm Since New Study for Semedate Provey Lagran Occidented by P. & W. Entberg, Co.

MARKET AS CARL Come and States No.

LOCKETED LODGSTAR - Proceed by P.A. W. 200-52 Legiser Chapsed Course on by Loddstod Factory, Study by No.

BOURDS RIGHT-Courses For Course PARTY RANG-Country Four Engine Summer Handy in Gr Angulana at the West The Autoral Mg Law 1905, 235 M P.H. Craising Speed.

OLAFT BANK WE ARE PRINCIPALS LIEWARO ASSONAUTICAL

111 6 6----

· Veline Pioneer

IMPORTANT! Many Items in this group have not been firsted in previous self-! One of America's Invest stocks of UNUSED

AIRCRAFT PARTS We are and other all easts Ested-sales many thousands more-stocked in our Bulkings wants are

CARBURETORS PROMPTER F GOST sally Post No. Susseles en State-of Books Schools

MARIN LOADS Sud-PheChard INAME AS SEA, Ropin Spith SPECIAL GROUP Outside Port No. - Description BES PERSON PRATT AND WHITNEY AIR.

> September 1 HINGE STOCKS OF ALL TYPES AN MARRWARD NEW INCHES WRITE FOR OFTAILED LISTINGS 2122211 Gamey Parties

lei.

Ann Prin " MYEL

EXTRA SPECIAL 30.000 BOLTS W 40-831/37 here Annual was below market! Care by most are in the care draw payment W 200 5 2 15 5 5.

Acces 10 San Color of Same Col Col-Herefre. West . 200 W laprote na ven San Printer * Send up year meterial flots for economical WALTE WIFE PHONE

COMMERCIAL SURPLUS SALES CO. OFF CHIEF AVOIDED PARTITIONS OF MARTINESS

EDITORIAL

Hore Some Duckness Mon View CAA's Air Safety Office There interes from company exceptions from defigured from tall their para stress of experience such GAA's determinant Office.

From CAA's Second Region reductor, are taking a rether than you, and the consequences reductor, are taking a rether than now of the recognition row taken above notice CAA . . That recommendation extend such to our house are accelerate.

As you know, practically all of the irrebund have here in CAA has been continued us the Asyupit Dynnon. The beckground programments for that group were much riscour than for road of the other decreases and these exceled within the Alexant Threaten It was my expensive as dealing with the reason regional Air-ands Danmar offices that alternate on assessed for a modified the Dealer carry and sourced in obligate the comment

Leading at the above, I believe we all will agree that a fadely flowester e a good flower, however, si appears that new, such it specif faces executions, supermits are given for were technical how a Safety Agent, not an augment, great it reportion. As few the accord point, it is interesting to most that the Asynch Divithe second point, it is maximum to more that has reported and positions, including classed help, while the other offices here in cases some actually charged their considerant

code washing by the Walyngton offers. It is no boays code regulation by the Windowston miles: It is no longer nearlike to discuss a positive with this group on strictly bedward transfer.

If you are necessary, that the CAA was consistent as a new

The ground Wichington group, further and further sourced I can cate specifically their heading of the C 66. Two years ind market them contributed under transport enterior miles. A processor was outboard whereby Parit & Whitney CR seeins secure. the heart the detector and estimatelying patrons and process the anything weeks be brought to less DC-4 and the sort Countribline users Store the C-65 had been decigned will before 40 case out-contrast, it would have been percently to abbin waters at The Second Return Assert! Division office, beiding to the content of the profits that the confictation would provide, delice for the course world here to need that the re-

GPEY A TAXPANER have the around discountable or collect Wichington. These we want to ever given the exercise of a talk with Mr. Haldwann, but instead now extended the population of a few amounts with No. Outer Widing, who said on, in effort, that they had made a doctaon and that it, on a temporar, was not related to an explor-cion, and what did I receive to do wheat of on the property and all their. The smalls you bear of via discus-Wednights CAS new here been embersized by their annual-dias of the CAS from the beginning and me making a removated office in male the continue of heat with a most of the nonwhich had address overther now AVA resident trouble artists, snother pet ATA property. This is note one could ensemble of the tendence of the West water many terms of constitute distribution. There are affect often book tower confect octuated ... True as we I could air. I will grantle, however, that agrees will alone as mirrorang properties of CAA personnel in Wickington and Edges in the Eath, this happening at a lone when them is a critical shockage of enabled new as the Eath and an overselver redend min.

coming mander of undagen whereas CAA present has alle-ted flow positions for personal gain. I need as no further than the Feb. 12 article to the New York Institute Acceptance to Began taking by CAA personnell.

All on all, there are those of an who tred new or the time to record militar from CAA I have ver will contain Another Second Region Letter he corner to your tolegram I can foreresting some referent turn in house it will help you as expensing the base probes of

viding the doubt of a great number of principles at columbs article or outside the regardation. It is quite apparent, and the expression has became LCD, deplaced and governor to gracelly specking, that the outer organization is headed to

ADVERTISERS IN THIS ISSUED

MATERIAL PROPERTY.

MALIFERDAL PROPERTY.

LABOR OF PERSONS ASSESSED.

AND DESCRIPTION OF PERSONS AND

NAME OF ADOLD POST OF

SHARRING MARKET A STR. CO. SHEATSTER WHAT ARE S STORY IN

Table and Branch and

PERSONAL PROPERTY AND ADDRESS.

BANCO AMERICAN COUNTY OF THE PARTY OF

PROPERTY OF A PERSON NAMED IN

CARRIED MATERIA CONDICTO

TIN PROPERTY CALLS AND THE ...

COLUMN TARONE SECRE

PERSONAL PROPERTY.

WILL PARKET PROPERTY.

April President

NAME AND DESCRIPTIONS MERCHANISM METERS THAN OFFICE OR DIFFERENCES SHIP STREET, SANSAGON, or OR RESIDENCE PROPERTY AND PERSONS ASSESSMENT SECURIA PRESTANTON

THE PERSON NAMED IN WIA ARGANI BANK STREET, STREET, SQUARE, STREET, SQUARE, SQUARE A RESPECTATION AND ASSESSED. TAME HORSELVILLE, MA PERSONAL PROPERTY. CLAST MICTIFICES SIMP MATERIAL PROPERTY NAME OF THE PARTY THE TRANSPORTER PROPERTY.

CONTRACTOR IN THE OF OTHER DESIGNATION OF WHEN ADDRESS AND LAKE POLICE PROMISE NO. OF SERVICE AMARINE to see of the lates of TARREST ME SAT FARE OF ARREST

MALE WATER OF THE PARTY AND

Column 18 to Street, owner, "LONG LIGHT SHOPS..... PACKET SERBOLISH, FRE TOTAL PURE A ASSESSED CONTRACTOR CONTRACTOR CONTRACTOR

COMMERCIAL PROPERTY. CORRECT CONTRACTOR OF THE PARTY NAMED IN Chicago Andrea Chicago Mari

CARRY STORY COL 1 No. property in the

DARNELL



Floors Fournment and Time by using DARNELL Casters and Wheels Alcorner demandable these low-cost floor protection products have been made to give you a loon life of afficient trouble. free service.

FREE MANUAL DARNELL CORP. LTD. Long Fresh 4. Cald. 60 Weller St., New York 13, N. 1 M. M. Chair. Chines & D.

EDITORIAL

timel repealed process as high position at the expense of To the same marrier extended to Boson 2, 3 would be IN girt some specific extrapes to Region 2, I would be: the Chief of Schools of Act Corner Operation It second contacts and his notice the experience or know both to qualify for such a rating. It is not understanding that this same first rated or 1941 on a Franchish 24, and all friend considering states that day his here obtained southin CAA. The man is in The state of the state of the Same A The newly approved Charl of Areston Sofety, Region 2 instead to 81 on the Nove and has been with CAA do: shoot recture. Yet he is the next who sets the perfect concessing and zeros phene of the operation with which we are uncounted in well in the perfectled are control. I believe it has opportune or well as the scheduled as comes. I believe it has experience in these right divisions were absolved that has combinations wald seem wer fee, for this position It is one before that it is through authorities a resource were to be made the come of more conclusive would be broad with the assemble and of high level policy realing presented the cause of problems could be, and should be, this purposed by commissions within CAA and reviseds, to rectude the technical most acceler, rectading scheduled at copies. The time is true with respect to proper about regards and sufficient has approved seiting pe tons to theme tableston arithment for approving including he come to approve regarding of his qualification, his experience or "house how," without one softwar II- Engineering Deal, With filest engineering servers would be framework that With Base requirement revenues to the best of times an agent will not upon them for belon their many to it convolutely they to exhalice! he help; the being most to in accorded that is unbadded at cause specifies. I do not believe that the condition

sold simpored on me men or on an inc mentally one are propose within CAA result who will not pile printer, but have also tased to not sold the dissecution were well pulleten at one government. I bey this become I know that in many cases Good Server templates were not given a change for commence or a change to bellet me bellet months as in represent in Civil Sensite Base tildent. I am much conserved you the fact become I believe The recent assessment of Assets before it abdusts leader the Avoiding Solve France with more who will exceed The method of employee and selective too lead account first before that duald the averages he research to their shifter they will be board appropriate to when he is the method shirty they was to some conveyence to seed to a the source. I hope your tiples effort will being about an exercised I hope your tarkes effort not have about an incommon of the earlier feeting Solote Organization of CAA, and that than the best of people per when their descriptional also give

An Official of a Leaders Country in the Southeast

milities a change to better thought an

tions and taxe arrandogs of the security servers account to

From CAA's Third Region You certainly have my success support. on the soliton bear the small field operators, and as aspect, is placed under beautor of politics in CAA is an issued street. I have been under a very one sided over head common in the new year. under t very one-eded than hand province, for the ped war to crose of the small time wellten that is being placed in the lowest It is a long story that you be briefly told in the fact that I so out going through the diskust offices. It to more the distant officer up the low-

An Executive in on Assent Report Manufacturer in the Third Report

Can Handley & Davis Answer? If the assessmention of CAA's Office of Assessment Safety last except was not phones business to build the receive of Royalt Hearley and Wilhors Davis, left there 1 H - - 1 Li n - Our - - Lui - - - - 1 who was it accessary? We have heard cost estimates There's no way to tell. Mr. Hearley has an administrater officer who known Mr. Housey and Mr. Store the select were known, the remain and national reposition also sale north officed in making the Review & Darie could not have turned the receiver prosp ensembles sentons! Especially since the group proup ensurements sensous: Especially since the group-interview counted on to 30 percent of the crude and the substitud interview counted up to 20 percent, upder the Hendey-Davis goods signing. Then, about half of without any maniphar around of according 4. Why were some individuals also not how reads told they could have reiner "favore" if they revenhed and to product formally their new endeaments? Did but became it would so to Cail Service and might stat immination of the cathe OAS about

5. Why series Chill Service retenue, rights innoced in notificer these with low made that they would be 6 Why were both consisting trans conducted by the top officers of OAS unless they west regime the thru? Mr. Heatler led our tence Mr. Davis led the In it have that the above analytical on additional

is \$5500, or on additional total cost increase to the termore of \$68,600 for these new HeadenDack house

"Pahert II Wood



Operation on bleed are, Strains at auchine accessory drives have been documed for femblifty of installation and to meet a wide infinitely and long service life features of Refrigeration Packages have been recorwounted in this new live of venetic Strates

conditions. They offer the assembly designer a new power source which is outstanding for the field weight, compactness and matchild; to a mile owner of tools. Shorter resistance our personal to adved and produke prompt Strates designs to most the excise marine. ments of specific testallations.



Flight testing an idea





Complete electrical systems for any given aircraft can be simulated on this network analyzer.

Radial-type engines help this test stand duplicate aircraft power systems for testing purposes.

TURBOJET ENGINES TURBOSUPERCHARGERS MOTORS AND CONTROL OINSTRUMENTS AND AUTOPILOTS ELECTRICAL AND SERVO STSTEMS GAS TURBINE IGNITION AND CONTROL GENERATORS AND TRANSFORMERS CELECTRONICS AND COMMUNICATIONS

Even ideas are flight tested at General Electric. Both before and after an aircraft electrical system is built, G-E's aviation divisions check it out under actual operating conditions to save you expensive "de-bugging."

Your power distribution system, for example, is first "flown" on the analyzer. Electrical circuits for your plane are cranked into the board and the idea is worked over until the analyzer OKs it.

A model then gets a long rugged workout in the Aircraft Systems Test Lab to iron out final kinks. When design is "right," production begins. Finally, individual component parts are tested before installation in your aircraft. Project engineers are chosen for experience as well as scientific

"know-how." Pilots, navigators, flight engineers, military and transport, are represented. George Phillips, for instance, shown "flying" a distribution network, is an ex-Air Force maintenance officer. This combination of theoretical analysis and practical testing by

men who know aviation problems means trustworthy electrical systems without extensive "de-bugging" after installation,

For aircraft electrical equipment that will give you long troublefree service, call your General Electric aviation specialist or write Apparatus Dept., General Electric Company, Schenectady, N. Y.